

ABSTRACT

The present invention is a fan tray assembly in a computer chassis which allows fan assemblies to be removed and installed without shutting down the computer device. The fan tray assembly includes two or more fan assemblies for cooling the interior of the chassis. The fan tray assembly has a first position in which the fan tray assembly is received in the chassis and an extended position in which the fan tray assembly extends from an opening in the chassis. The fan tray assembly has an end plate, a left side, and a right side, and at least one of the sides includes one or more slots for receiving a fan assembly. A hot tap board mounted to the fan tray assembly is connected to a power cable. The fan assemblies are hot tap connected to the hot tap board. The present invention allows the fan assembly to be removed without shutting down the device by extending the fan tray assembly from the computer chassis and removing the fan assembly from the fan tray assembly. A replacement fan assembly is inserted in the slot in the fan tray assembly and the fan tray assembly is slid back into the computer chassis.